

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Title V Permit Summary

AQMD Facility ID:	11435	Company Name:	THE PQ CORP																									
Equipment Location:	8401 QUARTZ AVENUE, SOUTH GATE, CALIFORNIA 90280			SIC Code: 2819																								
Permit Revision #:		Revision Date:	Facility Permit Section(s) Affected:																									
Application #(s):	437572	Application Submittal Date(s):	12/01/04																									
AQMD Contact Person:	STEPHEN JIANG	Phone #:	E-Mail Address:																									
		(909) 396-3134	sjiang@aqmd.gov																									
Project Description: This is an existing facility applying for a Title V permit renewal that is engaged in production of solid form and aqueous solution sodium silicates. This facility operates an open hearth furnace, a boiler, a sodium silicate dissolving system, and associated storage silos, conveyors, and other supporting equipment. PM emissions from the storage silos and conveyors are controlled by six dust collectors. NOX emissions from the boiler are controlled by a flue gas recirculation system.																												
Permit Type: <input type="checkbox"/> Initial Title V Permit <input type="checkbox"/> Significant Revision <input checked="" type="checkbox"/> Permit Renewal <input type="checkbox"/> De Minimus Permit Revision																												
Permit Features: <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements <input type="checkbox"/> Permit Shield Applies <input checked="" type="checkbox"/> Permit Contains Conditions Allowing Emission Trading <input type="checkbox"/> Alternative Operating Scenario <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements <input type="checkbox"/> Other: _____ <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance																												
Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2004-2005		<input type="checkbox"/> No TACs Reported <input checked="" type="checkbox"/> The Following TACs Were Reported:																										
		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: right;">Emissions (lbs/yr):</th> </tr> </thead> <tbody> <tr><td>ACETALDEHYDE</td><td style="text-align: right;">1.156</td></tr> <tr><td>ACROLEIN</td><td style="text-align: right;">0.726</td></tr> <tr><td>AMMONIA</td><td style="text-align: right;">4842.000</td></tr> <tr><td>BENZENE</td><td style="text-align: right;">2.152</td></tr> <tr><td>ETHYL BENZENE</td><td style="text-align: right;">2.555</td></tr> <tr><td>FORMALDEHYDE</td><td style="text-align: right;">4.573</td></tr> <tr><td>HEXANE</td><td style="text-align: right;">1.694</td></tr> <tr><td>NAPHTHALENE</td><td style="text-align: right;">0.080</td></tr> <tr><td>PAHs</td><td style="text-align: right;">0.026</td></tr> <tr><td>TOLUENE</td><td style="text-align: right;">9.845</td></tr> <tr><td>XYLENES</td><td style="text-align: right;">7.316</td></tr> </tbody> </table>				Emissions (lbs/yr):	ACETALDEHYDE	1.156	ACROLEIN	0.726	AMMONIA	4842.000	BENZENE	2.152	ETHYL BENZENE	2.555	FORMALDEHYDE	4.573	HEXANE	1.694	NAPHTHALENE	0.080	PAHs	0.026	TOLUENE	9.845	XYLENES	7.316
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Health Risk From Toxic Air Contaminants:		<input type="checkbox"/> Health Risk Reduction Plan in Force (AQMD Rule 1402) (date): _____ <input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401) <input type="checkbox"/> Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588) <input checked="" type="checkbox"/> Facility Determined to be Exempt from AB2588 Requirements <input type="checkbox"/> AQMD is Tracking Status of Facility under AB2588 <input type="checkbox"/> Health Risk Assessment Submitted to AQMD and Is Being Reviewed <input type="checkbox"/> Final Facility Health Risk Approved (date) _____ Cancer Risk = _____ in one million Acute Hazard Index = _____ Chronic Hazard Index = _____																										
Criteria Pollutant Emissions Annual Reported Emissions (tons/year) for Reporting Year: 2004-2005		<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20%;"><input checked="" type="checkbox"/> NOx</td> <td style="width: 20%; text-align: center;">84.810</td> <td style="width: 20%;"><input checked="" type="checkbox"/> PM</td> <td style="width: 20%; text-align: center;">5.816</td> </tr> <tr> <td><input checked="" type="checkbox"/> CO</td> <td style="text-align: center;">5.663</td> <td><input checked="" type="checkbox"/> SOx</td> <td style="text-align: center;">0.080</td> </tr> <tr> <td><input checked="" type="checkbox"/> VOC</td> <td style="text-align: center;">0.912</td> <td><input type="checkbox"/> Other:</td> <td>_____</td> </tr> </tbody> </table>			<input checked="" type="checkbox"/> NOx	84.810	<input checked="" type="checkbox"/> PM	5.816	<input checked="" type="checkbox"/> CO	5.663	<input checked="" type="checkbox"/> SOx	0.080	<input checked="" type="checkbox"/> VOC	0.912	<input type="checkbox"/> Other:	_____												
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Compliance History:		<input type="checkbox"/> Citizen Complaints Filed in Last Two Calendar Years (# 0) <input type="checkbox"/> Notices to Comply Issued in Last Two Calendar Years (# 0) <input type="checkbox"/> Notices of Violation Issued in Last Two Calendar Years (# 0)																										
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